

AM 09/16/04  
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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended): A method for allocating system resources among groups having entitlement values and maximum limits comprising:
  - allocating a computer system resource to active groups according to respective entitlement values;
  - determining an excess entitlement allocated to inactive groups;
  - calculating a scaling ratio for each group;
  - sorting active groups by their scaling ratios, creating a list of active groups in an increasing order;
  - traversing the list of active groups once; and
  - performing a finite and bounded set of operations at each group after a single pass to reallocate reallocating the excess entitlement to the active groups in proportion to the respective entitlement values, without exceeding a maximum limit for each of the active groups,whereby the system resource reallocated to each of the active groups are scaled up from each group's entitlement value by a fixed ratio up to the group's maximum limit.
2. (original): The method of claim 1, wherein the maximal values for inactive groups is set equal to zero.
3. (canceled).
4. (original): The method of claim 3, wherein the scaling ratio is a ratio between the maximum limit and the entitlement value.
5. (original): The method of claim 3, wherein the step of reallocating comprises:
  - determining whether unprocessed groups can scale by the scaling ratio of a current group without exhausting unallocated resources; and
  - if the unprocessed groups can scale without exhausting the unallocated resources, then setting the maximal value of the current group equal to the maximum limit of the current group.
6. (original): The method of claim 5, wherein the step of reallocating further comprises:

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